

SECRETJCS DECLASSIFY / RELEASE
INSTRUCTIONS ON FILE

APPENDIX B TO ENCLOSURE B

SALIENT FEATURES OF DRV POL TARGETS

TGT #	NAME SIGNIFICANCE	NO. STK A/C	AAA DEF EST LOSS RATE	CIV. CAS.
42	<u>Phu Van POL Storage</u> 1000 MT, 0.5% natl capacity. Main structures: 14 PUG bunkers, 2 support. Supports VC/PL. 14 NM from Laos border, 24 NM WNW of Vinh. Capacity reduced from 1,000 metric tons to zero by attack in ROLLING THUNDER 13 (30 April - 6 May 1965).	10*	None 0%	3
48	<u>Haiphong POL Storage</u> 72,000 MT, 33% natl capacity. Main structures: 38 POL tanks (3 UG), 15 warehouses, 3 oil piers, support. Largest in DRV; only offloading point for large tankers, handling 95% POL imports. 2 NM WNW of Haiphong, 47 NM E of Hanoi.	90**	Moderate 3%	29
49	<u>Hanoi POL Storage</u> 34,000 MT, 16% natl capacity. Main structures: 40 POL tanks (32 revetted), 30 support. Second largest in DRV; receiving point for rail shipments from China. 3 NM NE of Hanoi (outside built-up area).	36*	Moderate 3%	4
50	<u>Vinh POL Storage</u> 18,000 MT, 8% natl capacity. Main structures: 30 POL tanks (3 UG, 8 PUG, 14 revetted, 5 horizontal), pier pump-house, support. Staging base for SVN/Laos operations. 3 NM E of Vinh. Capacity reduced from 18,000 metric tons to 6,000 metric tons in 5 August 1964 attack and to 2,000 metric tons by attack in ROLLING THUNDER 16 (24 May - 3 June 1965).	4*	Moderate 2.5%	1
51	<u>Nguyen Khe POL Storage</u> 13,000 MT, 6% natl capacity. Main structures: 16 POL tanks (9 PUG, 3 horizontal), 16 UG storage bunkers, storage, rr tanker loading facility. Supplies airfield and other military installations in N DRV. On spur of Hanoi-Thai Nguyen rail line, 3 NM SE of Phuc Yen AF, 8 NM N of Hanoi.	40*	Moderate 3%	1
51.1	<u>Phuc Yen POL Storage NNE</u> 14,000 MT, 7% natl capacity, near completion. Main structures: 9 UG POL tanks, rr tanker loading facility, 30 support. Will be able to supply airfield and other military installations in N DRV. On spur of Hanoi-Thai Nguyen rail line, 4 NM N of Phuc Yen AF, 15 NM N of Hanoi.	50*	Moderate 3%	6

SECRET

TGT #	NAME SIGNIFICANCE	NO. STK A/C	AAA DEF EST LOSS RATE	CIV. CAS.
51.11	<u>Bac Giang POL Storage</u> 6,000 MT, 3% natl capacity. Main structures: 12 POL tanks, 5 support. 1 NM W of Bac Giang, 25 NM NE of Hanoi.	20*	Lt to Mod 1-2%	3
51.12	<u>Nam Dinh POL Storage</u> 12,000 MT, 6% natl capacity. Supports PL/VC forces. 40 NM from Hanoi. Capacity reduced from 12,000 metric tons to 2,000 metric tons by attack in ROLLING THUNDER 21 (2 - 8 July 1965). Installation inactive; useful capacity zero.	20*	Moderate 3%	18
51.13	<u>Do Son POL Storage</u> 8000 MT, 4% natl capacity. Main structures: 3 POL tanks (2 UG), several support. 10 NM SSE of Haiphong, 57 NM ESE of Hanoi.	22*	None 0%	3
51.14	<u>Viet Tri POL Storage</u> 4000 MT, 2% natl capacity. Main structures: 9 POL tanks (1 UG), 3 support. 28 NM NW of Hanoi.	20*	Moderate 3%	3
51.16	<u>Phu Qui POL Storage</u> 10,000 MT, 5% natl capacity. Main structures: 9 POL tanks, 16 support. 37 NM NNW of Vinh. Capacity reduced from 10,000 metric tons to 2,000 metric tons by attack in ROLLING THUNDER 15 (18 - 24 May 1965).	14*	Light 1%	1
51.17	<u>Duong Nhâm POL Storage</u> 14,000 MT, 7% natl capacity. Main structures: PUG POL tanks (5 under construction), 6 POL storage, 7 support. Supplies Haiphong area. 14 NM NW of Haiphong, 37 NM E of Hanoi.	38*	None 0%	0
51.18	<u>Kep POL Storage</u> 3000 MT, 1% natl capacity. Main structures: 120 PUG POL tanks, POL drums. Serves Kep Airfield. 2 NM SE of Kep, 33 NM NE of Hanoi.	22*	Lt to Mod 1-2%	0

NOTE:	Unattacked National Capacity	168,000 MT (93.8%)
	Untargeted Capacity	7,000 MT (3.9%)
	Residual Capacity in Targets Previously attacked	4,000 MT (2.3%)
		<hr/>
		179,000 (100%)

* Estimated number of strike sorties for a 50 percent probability of achieving 70 percent damage level.

** Estimated number of strike sorties for a 50 percent probability of achieving 85 percent damage level.

SECRET

B-6

Appendix B to
Enclosure B